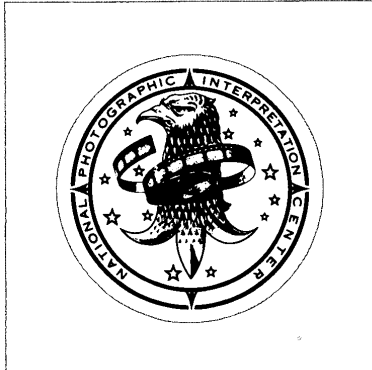


**Top Secret**



**NATIONAL PHOTOGRAPHIC  
INTERPRETATION CENTER**

**BASIC  
IMAGERY  
INTERPRETATION  
REPORT**

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# **MOSKVA AIRFRAME PLANT 30 (S)**

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**STRATEGIC WEAPONS INDUSTRIAL FACILITIES  
USSR  
JUNE 1979**

**Top Secret**

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INSTALLATION OR ACTIVITY NAME					COUNTRY	
Moskva Airframe Plant : 0					UR	
UTM COORDINATES	GEOGRAPHIC COORDINATES	CATEGORY	BE NO.	COMIREX NO.	NETB NO.	
NA	55-47-13N 037-32-49E					
MAP REFERENCE						
SAC, USATC, Series 20, Sheet 0167-5, scale 1:200,000						
LATEST IMAGERY USED			NEGATION DATE (if required)			
			NA			

#### ABSTRACT

1. (TSR) This report updates NPIC reports<sup>1-3</sup> on Moskva Airframe Plant 30. This report describes the construction activity observed at Plant 30 since [ ] the information cutoff date for the most recent updated report. It also includes information on earlier but previously unreported construction. Production of FLOGGER and FISHBED aircraft at the plant is discussed, as well as sightings of COOT and MAY aircraft there.
2. (TSR) This report contains an annotated photograph of Plant 30, a photograph of a COOT A aircraft at the plant, a table of mensural and chronological data, and a tabular listing of FLOGGER-associated items observed on [ ] of the plant.

#### INTRODUCTION

3. (TSR) This report updates three previous NPIC reports<sup>1-3</sup> on Moskva Airframe Plant 30 (Figure 1) and describes the moderate amount of construction that has taken place since [ ]. This construction increased the plant floorspace by [ ]. By March 1979 the plant contained [ ] of floorspace, all but [ ] meters of it complete. This report also discusses construction activity resulting in several floorspace changes prior to [ ] but not previously reported.
4. [ ] Production of FLOGGER aircraft has continued at Plant 30, but FISHBED production has ended.<sup>4</sup> COOT and MAY were seen at the plant, which indicates that modification or repair programs or those aircraft may have been underway.

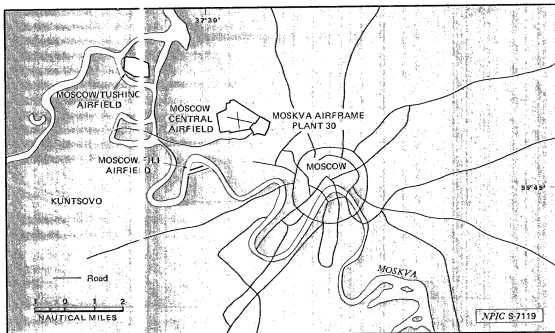


FIGURE 1. LOCATION OF MOSKVA AIRFRAME PLANT 30, USSR

#### BASIC DESCRIPTION

##### Construction

5. (TSR) A moderate amount of construction, occurring since January 1974, has added [ ] of floorspace to Moskva Airframe Plant 30. By March 1979 the plant contained a total of [ ] of floorspace. The new structures contained [ ] square meters, balanced against [ ] of floorspace razed during the reporting period. The urban location of the plant allows little room for future expansion without older structures being razed.
6. (TSR) A number of floorspace changes which occurred prior to [ ] have not been previously reported. These changes include [ ] of floorspace constructed and [ ] razed, for a net increase of [ ] of floorspace. The corrected total floorspace for Plant 30 as of January 1974 is [ ].
7. (TSR) From January 1974 to March 1979, ten new buildings and additions to three buildings, containing a total of [ ] of floorspace, were constructed at Plant 30. The largest of these new buildings include an administration/engineering building (item 85, Figure 2 and Table 1) and an administration/security building (item 91). Sizeable additions (items 68b-d), which replaced an old transshipment section, were made to a warehouse/transshipment building; the floorspace of one shop building was substantially increased by additions (items 61b-d); and another shop building (item 2) was renovated and significantly expanded. Construction of lesser importance included the addition of an administration/engineering section (item 23c) to a shop building and the construction of a second forced-draft cooling tower (item 89), a storage building (item 78), four quonset storage/support buildings (items 77 and 82-84), and a storage/support building (item 92). The administration/engineering section (item 23c) was in a late stage of construction in March 1979.
8. (TSR) Four buildings and two sections of buildings, containing a total of [ ] meters of floorspace, were razed between January 1974 and March 1979. A section of an assembly/shop building (item 5a) was torn down for a [ ] decrease in floorspace. Other buildings which were demolished to provide space for construction include a shop building at the site of the new administration/engineering building (item 85) and the transshipment section of a building where new sections (items 68b-d) were added. Two security buildings were torn down to provide space for the new administration/security building (item 91), and a warehouse was razed at the site of the new cooling tower (item 89).
9. (TSR) Changes in floorspace occurring prior to January 1974 but not incorporated in previous NPIC reports<sup>1-3</sup> resulted in a net increase of [ ] of floorspace. Two shop buildings (items 80 and 88), additions to two shop buildings (items 16b and 28c and d), a warehouse addition (item 30b), a security building (item 79), and four small storage/support buildings (items 76, 81, 86, and 87), containing a total of [ ] of floorspace, were completely [ ]. Subtracted from this floorspace are decreases in previously reported figures and razed floorspace totaling [ ]. In one instance an existing, separate shop building (item 90) had apparently been considered part of the assembly/shop section (60b) of an adjacent building when the plant floorspace was reported in the original NPIC basic report.<sup>5</sup> The calculated floorspace of the shop building (item 90) is [ ]. In addition, a recalculation of the floorspace of the assembly/shop section (item 60b) reveals that the section contains [ ] of floorspace, which is [ ] less than the total previously reported.<sup>6</sup> A small storage/support shed (item 7), originally reported<sup>7</sup> as a utility building with [ ] of floorspace, actually contains only [ ] of floorspace. Buildings razed before January 1974 included a shop building at the site of a new storage building (item 78) and a utility building where a shop building (item 88) was constructed. Three other utility buildings (items 52, 64, and 65) were also razed.

##### Production

10. (TSR) Production of FLOGGER aircraft at Plant 30 has continued during the reporting period; annual production rates for FLOGGER B/E/F<sup>8</sup> are shown below:

Year	1974	1975	1976	1977	1978	First Half
Rate	295	350	420	370	180	

The FLOGGER aircraft are transported from Plant 30 to Lukhovitsy Airframe Plant [ ] for final assembly, flight test, and transshipment.

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11. (TSR) Although assembled FLOGGER aircraft are seen at Lukhovitsy, a number of FLOGGER-associated items have been observed at Moskva Airframe Plant 30. Most of these items were identified on [REDACTED] of good interpretability (Table 2). Items usually observed on [REDACTED] and occasionally observed on [REDACTED] included one to four FLOGGER fuselage sections, along with stacks of shipping containers. On [REDACTED] approximately 35 to 40 FLOGGER engine shipping containers and the same number of afterburner shipping containers were observed. On [REDACTED] six probable FLOGGER fuel tanks were also present.

12. [REDACTED] Until 1975 FISHBED aircraft were being produced at Plant 30 for export at the rate of 20 per month.<sup>8</sup> Three FISHBED component shipping containers were seen at the plant on [REDACTED]. Observation of these containers continued at the plant as follows:

[REDACTED] 10 containers  
[REDACTED] 7 containers  
[REDACTED] 23 containers  
[REDACTED] 12 containers

FISHBED component shipping containers have not been observed at the plant since 1977.

13. (TSR) Although production of COOT aircraft at Plant 30 had ended by 1969,<sup>4</sup> two types of modified COOT have been observed there recently. A COOT A (IL-20) intelligence-gathering aircraft was photographed at the plant by an attache in December 1973 (inset, Figure 2) and again in April 1974.<sup>6</sup> The other type of modified COOT seen at the plant, which was identified there on satellite photography, is the IL-22, used as a probable national-level airborne command post (ACP), or the COOT ACP Mod. This aircraft was observed at the plant on [REDACTED]. An unmodified COOT was seen at the plant on [REDACTED]. [REDACTED] one set of COOT wings was observed there on [REDACTED].

14. (TSR) Production of the MAY (IL-38) ended in 1973,<sup>4</sup> but MAY aircraft have been observed at Plant 30 since January 1974. On [REDACTED] one probable MAY was present. MAY were also seen on [REDACTED] and again on [REDACTED]. These sightings indicate that the aircraft may have been undergoing some type of repair or modification at the plant.

Table 1. Moskva Airframe Plant 30 (Items keyed to Figure 2)

This table in its entirety is classified TOP SECRET RUFF

Item*	Description	Dimensions (m)			Floorspace (sq m)	Date Observed Complete	Remarks
		L	W	H			
2	Shop bldg					Feb 76	Renovation of bldg. begun prior to Jan 74. increased floorspace by [REDACTED] High-bay
a	Shop sec						
b	Shop sec						
c	Shop sec						
d	Engr/shop sec						2 stories
e	Engr/shop sec						2 stories
f	Admin/engr sec						4 stories
5a	Assem/shop sec razed					Jun 78	[REDACTED] of floorspace razed. bldg (item 5) now contains [REDACTED] of floorspace
7	Stor/support shed					Jan 74**	Previously reported as utility bldg with a floorspace [REDACTED]
16	Shop bldg						
a	Original structure						
b	Addition to shop bldg					Jan 74**	
23c	Admin/engr sec added to shop bldg					Uicon	3 stories; total floorspace of shop bldg (item 23) will be [REDACTED]
28c	Shop sec added to shop bldg					Jan 74**	With the addition of secs c & d, total floorspace of item 28 is [REDACTED]
d	Admin/engr sec added to shop bldg					Jan 74**	2 stories

Table 1. (Continued)

Item*	Description	Dimensions (m)			Floorspace (sq m)	Date Observed Complete	Remarks
		L	W	H			
30	Warehouse						
a	Original structure						
b	Addition to warehouse					Jan 74**	[REDACTED] of floorspace razed
52	Utility bldg razed					Jan 74**	
60b	Assem/shop sec						Revised dimensions decreased floorspace of sec by [REDACTED]
61	Shop bldg						
a	Original structure						
b	Shop sec					May 75	
c	Shop sec					May 75	
d	Admin/engr sec					May 75	
64	Utility bldg razed					Jan 74**	[REDACTED] of floorspace razed
65	Utility bldg razed					Jan 74**	[REDACTED] of floorspace razed
68	Warehouse/transshipment bldg						Transshipment sec (formerly item 68b),* with [REDACTED] of floorspace, razed; total floorspace of warehouse/transshipment bldg is now [REDACTED]
b	Admin/support sec					Feb 78	4 stories
c	Warehouse/transshipment sec					Feb 78	2 stories
d	Admin/support sec					Feb 78	4 stories
76	Stor/support bldg					Jan 74**	
77	Quonset stor/support bldg						
a	Original sec					Mar 77	
b	Addition					Feb 78	
78	Stor bldg					Apr 78	Shop bldg (item 6), containing [REDACTED] of floorspace, at this site was razed prior to Jan 74
79	Security bldg					Jan 74**	
80	Shop bldg					Jan 74**	
81	Stor/support bldg					Jan 74**	
82	Quonset stor/support bldg					May 78	
83	Quonset stor/support bldg					Jun 78	
84	Quonset stor/support bldg					Oct 78	
85	Admin/engr bldg					Sep 76	5 stories; shop bldg (item 48), containing [REDACTED] of floorspace, at this site was razed
86	Stor/support bldg					Jan 74**	
87	Stor/support bldg					Jan 74**	
88	Shop bldg					Jan 74**	Utility bldg (item 45), containing [REDACTED] of floorspace, at this site was razed
a	Shop sec						3 stories
b	Admin/engr sec						2-unit forced draft. warehouse (item 63), containing [REDACTED] of floorspace, at this site was razed
89	Cooling tower					Jul 77	
90	Shop bldg					Jan 74**	This bldg was previously reported as part of assembly/shop sec (item 60b)
a	Shop sec						2 stories
b	Admin/engr sec						5 stories; 2 security bldgs (items 51 & 67), containing a total of [REDACTED] of floorspace, at this site were razed
91	Admin/security bldg					Apr 78	
92	Stor/support bldg					Sep 76	
	Floorspace constructed since [REDACTED]						
	Floorspace constructed prior to [REDACTED]						
	Floorspace razed since [REDACTED]						
	Floorspace razed prior to [REDACTED]						

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Table 2. FLOGGER-Associated Items Seen at Moskva Airframe Plant 30 on [ ]

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This table in its entirety is classified TOP SECRET RUFF

FLOGGER-Associated Item	Number of Items Observed					
Fuselage	—	1	2	2	—	—
Fuselage sec	—	—	—	—	2 poss	4
Fuselage shipping container	—	1 type B	—	—	—	1 prob
Component shipping container	—	4	2	2	—	2 prob
Engine shipping container	50*	50*	50*	50*	20*	40*
Afterburner shipping container	50*	50*	50*	50*	20*	40*
Wing tank shipping container	4 & 1 prob	25	—	—	—	—
Wing tank	6 prob	6 prob	—	—	—	—

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\* Approximate count.

## REFERENCES

## IMAGERY

(TSR) All applicable KEYHOLE imagery of suitable interpretability acquired from [ ] was used in the preparation of this report. Selected earlier satellite imagery was also examined.

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## MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0167-5, scale 1:200,000 (UNCLASSIFIED)

## DOCUMENTS

1. NPIC. [ ] RCA-09/0045/74, *Moskva Airframe Plant 30, April 1970 - January 1974*, Apr 74 (TOP SECRET [ ]) 25X1
2. NPIC. [ ] BCA-09/0005/70, *USSR Airframe Plants Activity Review*, Aug 70 (TOP SECRET [ ]) 25X1
3. NPIC. [ ] RCA-09/0023/69, *Moskva Airframe Plant 30*, Feb 69 (TOP SECRET [ ]) 25X1
4. DIA. [ ] DDB-1923-2A-78-SAO, *Foreign Aircraft Production (FOAP)*, *Communist World (U)*, Dec 78, pp 4 & 20 (TOP SECRET [ ]) 25X1
5. DIA. DI-410-1-75-SSO, *Foreign Aircraft Production (FOAP)*, *Communist World (U)*, Jan 75, p 43 (TOP SECRET [ ]) 25X1
6. DoD. IIR 6-901-0438-74, *IL-18 at Plant 30, Central Airfield, Moscow (U)*, 18 May 74 (CONFIDENTIAL [ ]) 25X1

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\*Extracted material is SECRET only.

\*\*Extracted material is TOP SECRET [ ]

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## REQUIREMENT

COMIREX J02  
Project 290042DJ

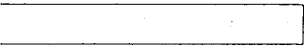
(S) Comments and queries regarding this report are welcome. They may be directed to [ ] Warsaw Pact Forces Division, Imagery Exploitation Group, NPIC, [ ]

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